

| Form PTO-1449<br>(MODIFIED)   |     | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE                                       |      | ATTY. DOCKET NO.<br>074022-3302 |       | SERIAL NO.<br>08/950,963    |                                  |
|---|-----|--|------|---------------------------------|-------|-----------------------------|----------------------------------|
| <b>INFORMATION DISCLOSURE CITATION</b><br>(Use several sheets if necessary)   |     |  |      | APPLICANT<br>DREWES et al.      |       |                             |                                  |
|   |     |  |      | FILING DATE<br>October 15, 1997 |       | GROUP ART UNIT<br>1845 1631 |                                  |
| <b>U.S. PATENT DOCUMENTS</b>  |     |  |      |                                 |       |                             |                                  |
| EXAMINER<br>INITIAL   | REF | DOCUMENT<br>NUMBER   | DATE | NAME                            | CLASS | SUB-<br>CLASS               | FILING DATE<br>IF<br>APPROPRIATE |
|   | AA  |  |      |                                 |       |                             |                                  |
|   | AB  |  |      |                                 |       |                             |                                  |
|   | AC  |  |      |                                 |       |                             |                                  |
|   | AD  |  |      |                                 |       |                             |                                  |
|   | AE  |  |      |                                 |       |                             |                                  |
|   | AF  |  |      |                                 |       |                             |                                  |
|   | AG  |  |      |                                 |       |                             |                                  |
| <b>FOREIGN PATENT DOCUMENTS</b>   |     |  |      |                                 |       |                             |                                  |
|   | REF | DOCUMENT<br>NUMBER   | DATE | COUNTRY                         | CLASS | SUB-<br>CLASS               | TRANSLATION<br>YES NO            |
|   | AH  |  |      |                                 |       |                             |                                  |
|   | AI  |  |      |                                 |       |                             |                                  |
|   | AJ  |  |      |                                 |       |                             |                                  |
|   | AK  |  |      |                                 |       |                             |                                  |
| <b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Pertinent Pages, Etc.)   |     |  |      |                                 |       |                             |                                  |
| AM  | AL  | J. Calvin Giddings, "Unified Separation Science", John Wiley & Sons, 1991, pages 62, 74, and 75. |      |                                 |       |                             |                                  |
|   | AM  |  |      |                                 |       |                             |                                  |
|   | AN  |  |      |                                 |       |                             |                                  |
|   | AO  |  |      |                                 |       |                             |                                  |
|   | AP  |  |      |                                 |       |                             |                                  |
| EXAMINER<br>Adele Manschke  |     |  |      | DATE CONSIDERED<br>9-28-01      |       |                             |                                  |
| * EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant. |     |  |      |                                 |       |                             |                                  |